

CLAIM AMENDMENTS

IN THE CLAIMS

This listing of the claims will replace all prior versions, and listing, of claims in the application or previous response to office action:

1. (Currently Amended) An actuator acting as a drive unit for an injector, ~~especially for~~ of an accumulator injection system, the actuator comprising[[]]:
a piezostack disposed in a tube spring[[,]];
a top plate; and
a bottom plate, wherein the top plate of the actuator is fixed directly to an injector housing by ~~means of caulked areas~~caulking between the top plate and the injector housing.
2. (Currently Amended) ~~[[The]]~~An actuator according to Claim 1, ~~wherein~~further comprising the caulked areas ~~[[are]]~~disposed on the sides of the top plate.
3. (Currently Amended) ~~[[The]]~~An actuator according to Claim 1, ~~wherein~~further comprising the caulked areas ~~[[are]]~~disposed on the upper area of the top plate.
4. (Currently Amended) ~~[[The]]~~An actuator according to Claim 1, ~~wherein~~further comprising the caulked areas ~~[[are]]~~disposed radially ~~[[in]]~~with respect ~~[[of]]~~to the outer periphery of the top plate.
5. (Currently Amended) ~~[[The]]~~An actuator according to Claim 1, ~~wherein~~further comprising the caulked areas ~~[[are]]~~disposed ~~essentially~~—tangentially ~~[[in]]~~with respect ~~[[of]]~~to the outer periphery of the top plate.

6. (Currently Amended) ~~[[The]]~~An actuator according to Claim 1, ~~wherein~~further comprising ~~the~~ caulked areas ~~[[are]]~~ formed from the material of the injector housing.

7. (Currently Amended) ~~[[The]]~~An actuator according to Claim 1, ~~wherein~~further comprising ~~the~~ caulked areas ~~[[are]]~~ formed from a filler material.

8. (Currently Amended) ~~[[The]]~~An actuator according to Claim 1, ~~wherein~~further comprising a surface structure ~~[[is]]~~ configured on the top plate ~~[[with]]~~having a suitable profile depth for caulking.

9. (Currently Amended) An actuator acting as a drive unit for an injector of an accumulator injection system, the actuator comprising:

a piezostack disposed in a tube spring;

a top plate;

a bottom plate, wherein the top plate of the actuator is fixed directly to an injector housing by caulking;

a surface structure configured on the top plate having a suitable profile depth for caulking,

~~The actuator according to Claim 8,~~ wherein the surface structure on the top plate ~~is configured as partially or wholly comprises one or more~~ circumferential grooves.

10. (Currently Amended) An actuator acting as a drive unit for an injector of an accumulator injection system, the actuator comprising:

a piezostack disposed in a tube spring;

a top plate;

a bottom plate, wherein the top plate of the actuator is fixed directly to an injector housing by caulking;

a surface structure configured on the top plate having a suitable profile depth for caulking.

~~The actuator according to Claim 8,~~ wherein the top plate is ~~configured as~~ a cylinder and the surface structure on the top plate is ~~configured as~~ an external thread.

11. (Currently Amended) ~~[[The]]~~An actuator according to Claim 1, wherein ~~the connection between~~ the top plate ~~and is fixed to~~ the injector housing ~~is formed by via~~ four caulked areas.

12. (Currently Amended) ~~[[The]]~~An actuator according to Claim 11, wherein the four caulked areas are disposed ~~in~~ such ~~a way~~ that two caulked areas lie opposite each other on the top plate in each instance.

13. (Currently Amended) ~~[[The]]~~An actuator according to Claim 1, wherein the top plate and/or the injector housing ~~are made of~~ comprise a tempering steel.

14. (Currently Amended) ~~[[The]]~~An actuator according to Claim 13~~[[,]]~~ wherein ~~42CrMo4 is used as~~ the tempering steel comprises 42CrMo4.

15. (Currently Amended) An actuator acting as a drive unit for an injector of an accumulator injection system, the actuator comprising:

a piezostack disposed in a tube spring;

a top plate;

a bottom plate, wherein the top plate of the actuator is fixed directly to an injector housing by caulking, ~~The actuator according to Claim 1,~~ wherein cutouts are provided in the injector housing, at which the caulked areas are disposed.

16. (Currently Amended) ~~[[The]]~~An actuator according to Claim 15, wherein the cutouts serve as ~~anchorage~~ anchor points for an electric plug-type connection of the actuator.

17. (Currently Amended) ~~[[The]]~~An actuator according to Claim 16, wherein the electrical plug-type connection is configured as a plastic extrusion coating.

18. - 20. (Cancelled)